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A5031/T43300

number.

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. First Inventor Scott Brad Herner HIGH THROUGHPUT PROCESS FOR THE FORMATION OF A Title REFRACTORY METAL NUCLEATION LAYER

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

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| | | | | | | | | | |
|--|--|------------------------|--|--|----------------|-----------------------------|--|--|--|
| C MDED - | APPLICATION ELEN | | ADDRESS TO Assistant Commissioner for Patents Box Patent Application Whenhington Pic 20224 | | | | | | |
| See MPEP chapter 600 concerning design patent application contents. Washington, DC 20231 | | | | | | | | | |
| 2 | Fee Transmittal Form (e.g., PTO/SE Submit an original and a duplicate for fee Applicant claims small entity status. See 37 CFR 1.27. Specification [Total preferred arrangement set forth below] Descriptive title of the Invention Cross References to Related Application Statement Regarding Fed sponsored R Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention Brief Summary of the Invention | Pages 14] | 7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. ☐ Computer Readable Form (CRF) b. Specification Sequence Listing on: i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ paper number of pages c. ☐ Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. ☒ Assignment Papers (cover sheet & document(s)) | | | | | | |
| - - | Brief Description of the Drawings (if file Detailed Description Claim(s) Abstract of the Disclosure | d) | 10. 🗆 | 37 C.F.R.§3.73(b)Statement Power of (when there is an assignee) Attorney | | | | | |
| - | Abstract of the Disclosure | | 11. | English Tran | nslation Docur | nent <i>(if applicable)</i> | | | |
| _ | | I Sheets 4] I Pages 3 | 12. 🛚 | Information Disclosure | | | | | |
| | Newly executed (original or copy) | · | 13. 🔲 | Preliminary Amendment | | | | | |
| | Copy from a prior application (37 C | CFR 1.63 (d)) | 14. 🛛 | Return Receipt Postcard (MPEP 503) | | | | | |
| | (for a continuation/divisional with E | | 1,50 | (Should be specifically itemized) | | | | | |
| i. [| DELETION OF INVENTOR(S | i) , , , , | 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) | | | | | | |
| - | Signed statement attached deleting inv | ventor(s) | 16. Nonpublication Request under 35 U.S.C. | | | | | | |
| | named in the prior application, see 37 1.63(d)(2) and 1.33(b). | CFR | 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 | | | | | | |
| 6. 🗔 App | olication Data Sheet. See 37 CFR | 1.76 | 17. 🔲 | or its equivalent 17. Other: | | | | | |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, | | | | | | | | | |
| | olication Data Sheet under 37 CFR 1.7 | | | | | | | | |
| ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No:/ | | | | | | | | | |
| Prior application information: Examiner Group Art Unit: | | | | | | | | | |
| For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. | | | | | | | | | |
| 19. CORRESPONDENCE ADDRESS | | | | | | | | | |
| ☐ Custon | ☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☑ Correspondence address below | | | | | | | | |
| | Patent Counsel | | | | | | | | |
| Name | Applied Materials, Inc. | | | | | | | | |
| 1 dd=000 | P.O. Box 450A, MS 2061 | | | | | | | | |
| Address | | | | | | | | | |
| City | Santa Clara State | | California Zip | | lip Code | 95052 | | | |
| Country | USA Telephone | | (650) 326-2400 | | Fax | (408) 986-3090 | | | |
| Name (Pri | int/Type) Robert W. Mulcah | Y T | Registration | n No. (Attorne | y/Agent) | 25,436 | | | |
| Signature Date 2/15/09 | | | | | | | | | |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this folio should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231. SF 1314467 v1

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| | Complete if Known | | | | | |
|---|----------------------|-------------------|--|--|--|--|
| FEE TRANSMITTAL | Application Number | Unassigned | | | | |
| for FY 2001 | Filing Date | Herewith | | | | |
| | First Named Inventor | Scott Brad Herner | | | | |
| Patent fees are subject to annual revision. | Examiner Name | Unassigned | | | | |
| | Group Art Unit | Unassigned | | | | |
| LAMOUNT OF PAYMENT (\$) 900.00 | Attorney Docket No. | A5031/T43300 | | | | |

| | | | | | | Group A | rt Unit | | Unassigned | | |
|---|--------------------------|-----------------|-------------------------------------|--|---------------------|----------------|--------------|-----------|---|--|----------|
| TOTAL AMOUNT OF PAYMENT (\$) 900.00 | | | | | Attorney Docket No. | | A5031/T43300 | | | | |
| | N | ETHOD O | F PAYMENT | | | | | | FEE C | ALCULATION (continued) | |
| The Commissioner is hereby authorized to charge | | | | | 3. ADDITIONAL FEES | | | | | | |
| _{1.} 🛮 | indica | ted fees and | d credit any ov | er payments to: | | Large Entity S | | Small | Entity | | |
| | | | | | \neg | Fee | Fee | Fee | Fee | Fee Description | Fee |
| Deposit Account | 50-1 | 1074 | | | | Code | (\$) | Code | (\$) | | Paid |
| Number | 30- | 1014 | | | | 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | |
| | | | | | 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet. | | |
| Deposit Account Townsend and Townsend and Crew LLP | | | | | 139 | 130 | 139 | 130 | Non-English specification | | |
| Name | | | | | 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | | |
| ☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 | | | | | | 112 | 920* | 112 | 920* | Requesting publication of SIR prior | |
| | nt claims sn CFR 1.27 | nall entity st | tatus. | | | 113 | 1,840* | 113 | 1,840* | to Examiner action Requesting publication of SIR after | |
| | ent Enclo | sed: | | | | | | | | Examiner action Extension for reply within first | |
| ☐ Check | ☐ Cre | edit card | ☐ Money | ☐ Other | | 115 | 110 | 215 | 55 | month | <u> </u> |
| | | FEE CAL | Order CULATION | | | 116 | 390 | 390 216 | 195 | Extension for reply within second month | |
| FEE CALCULATION 1. BASIC FILING FEE | | | | | | 117 | 890 | 217 | 445 | Extension for reply within third month | |
| Large Entity | Small | Entity | | | | 118 | 1,390 | 218 | 695 | Extension for reply within fourth | |
| Fee Fee Code (\$) | Fee Code | (\$) | e Description | Fee P | Paid | 128 | 1,890 | 228 | 945 | month Extension for reply within fifth | <u> </u> |
| 101 710 | 201 | | ility filing fee | 740 | | l | | | | month | |
| 106 320 | 206 | | esign filing fee | ļ | | 119 | 310 | 219 | 155 | Notice of Appeal | |
| 107 490 108 710 | 207 208 | | ant filing fee eissue filing fee | , | | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 108 710 | 214 | | ovisional filing | | | 121 | 270 | 221 | 135 | Request for oral hearing | |
| 114 150 | | IBTOTAL (| _ | (\$)740 | | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| | | DIVIAL (| , | | | 140 | 110 | 240 | 55 | Petition to revive – unavoidable | |
| 2. EXTRA CLA | IM FEES | | | | | 141 | 1,240 | 241 | 620 | Petition to revive - unintentional | |
| | | Ex | dra Fe | e from Fe | e | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | |
| | | _Cla | aims bel | low Pa | id | 143 | 440 | 243 | 220 | Design issue fee | |
| otal Claims | -20* | * = 2 | x _\$ | 18 = \$3 | 6 | 144 | 600 | 244 | 300 | Plant issue fee | |
| dependent | -3** | = 1 | x s | 84 = \$8 | 4 | 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| L | | | | | | 123 | 50 | 123 | 50 | Petitions related to provisional applications | |
| fultiple Jependent | | | ×L | = [| | 126 | 180 | 126 | 180 | Submission of Information | |
| Large Enti | - | Entity | | | | 1 | | | - | Disclosure Stmt | |
| Fee Fee Code (\$) | Code | Fee (\$) | Fee Descript | | | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 40 |
| 103 18 | 203 | 9 | Claims in exc | | -40 | 146 | 710 | 246 | 355 | Filing a submission after final | |
| 102 80 | 202 | 40 | • | claims in excess of | | , , , | , 10 | 2.10 | 430 | rejection (37 CFR § 1.129(a)) | |
| 104 27 0 | 204 | 135 40 | ** Reissue in | ndent claim, if no dependent claims | - | 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 40 | | | original pater ** Reissue cla | nt aims in excess of | 20 and | 179 | 710 | 279 | 355 | Request for Continued Examination | |
| 110 18 | 210 | 9 | over original | | | (RCE) | | | | | <u></u> |
| | | SUE | BTOTAL (2) | (\$)120 | | 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |
| | | | | | | Other fe | e (speci | fy) | | | |
| **or number pre | viously paid, | , if greater; F | or Reissues, se | ee above | | | | | authoriz sit Acco | ed to charge any additional fees to ount. | |
| | | | | | | *Reduc (3) | ed by B | asic Fili | ng Fee F | Paid SUBTOTAL (\$)40 | |

| SUBMITTED BY | | | Con | nplete (if applicable) |
|-------------------|-------------------|--|-----------|------------------------|
| Name (Print/Type) | Robert W. Mulcaby | Registration No. (Attorney/Agent) 25,436 | Telephone | 650-326-2400 |
| Signature | IM | While | Date | 2/15/02 |

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